

STATE BOARD OF ELECTIONS

STATE OF ILLINOIS

2329 S. MacArthur Blvd.
Springfield, Illinois 62704-4503
217/782-4141
Fax: 217/782-5959

James R. Thompson Center
100 W. Randolph St., Ste. 14-100
Chicago, Illinois 60601-3232
312/814-6440
Fax: 312/814-6485



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2018 HAVA Election Security Grants

Program Narrative and Budget Submission

The State of Illinois was awarded **\$13, 232, 290.00** as authorized under Section 101 of the Help America Vote Act of 2002 (P.L. 107-252) (HAVA) and provided for in the Consolidated Appropriations Act, 2018 (Public Law 115-141), the purpose of this award is to "improve the administration of elections for Federal office, including to enhance "election technology and make election security improvements" to the systems, equipment and processes used in federal elections. The State of Illinois is required to provide a 5% state match of \$661,615.00 prior to March 23, 2020. The entire 5% state match of **\$661,615.00** will be vouchered from the general revenue fund to the Help Illinois Vote fund by July 20, 2018. The physical transfer of funds could take an additional 3-4 months based on current pay cycles.

Illinois Governor, Bruce Rauner signed into law Public Act 100-0587 effective June 4, 2018 which requires the SBE to implement a Cyber Navigator Program for local election authorities. Due to this legislation, the SBE is working with stakeholders to implement a cyber navigator program to provide direction to the election officials in the state for both short and long term use of the funding.

Public Act 100-0587 (10 ILCS 5/1A-55 new)

Sec. 1A-55. Cyber security efforts. The State Board of Elections shall provide by rule, after at least 2 public hearings of the Board and in consultation with the election authorities, a Cyber Navigator Program to support the efforts of election authorities to defend against cyber breaches and detect and recover from cyber-attacks. The rules shall include the Board's plan to allocate any resources received in accordance with the Help America Vote Act and provide that no less than half of any such funds received shall be allocated to the Cyber Navigator Program. The Cyber Navigator Program should be designed to provide equal support to all election authorities, with allowable modifications based on need. The remaining half of the Help America Vote Act funds shall be distributed as the State Board of Elections may determine, but no grants may be made to election authorities that do not participate in the Cyber Navigator Program.

As required by law, no less than half of any such funds received shall be allocated to the "Cyber Navigator Program" to support efforts of election authorities to defend against cyber breaches and detect and recover from cyber-attacks. Under PA100-0587, **\$6,946,952.50**, must be used to provide equal support to all Illinois election authorities, with allowable modifications based on need. In order to provide equal support to all election authorities, the SBE is proposing the following components:

1. **Infrastructure- Illinois Century Network (ICN) Expansion Project.** The ICN is a state-managed network delivering network and internet services to government agencies in Illinois. The network allows DoIT (Department of Innovation and Technology) to provide centralized monitoring, mitigation, and security services to participating agencies. The goal of the ICN is to provide agencies

with a “cleaner, safer internet”. The SBE plan would bring all network traffic to and from election authorities in to an internal “10 dot IP” internal network system and “whitelisting” IP addresses for access to the statewide voter registration database (IVRS). Currently, we are unable to whitelist connectivity to IVRS because many of the election authorities do not receive their internet connection via a static IP. The Department of Innovation and Technology (DoIT), through inter-agency agreement would perform the on-site construction and “build out” to the network. DoIT will also provide to each election authority on the ICN: (Currently provided only to state agencies)

- A firewall for the purpose of protecting local election authorities.
- Distributed Denial of Service Attack (DDoS) protection
- Security Operation Center (SOC) 24/7 monitoring
- Albert sensor intrusion detection

The cost of implementation and fees is estimated at \$1,500 per month per site over three years. These costs (~\$2,000,000) would be paid for with a portion of the \$6,946,952.50. Implementation is expected to take 2-3 years. Participation would be required to maintain a secure connection to IVRS. Cost: \$2,000,000 for initial connection, which is reflected as part of the sub-grants to local voting jurisdictions.

2. **Outreach- Cyber Security Information Sharing Program.** In partnership with the Illinois State Police's division of Statewide Terrorism and Intelligence Center (STIC) through inter-agency agreement, the SBE will assist in overseeing the “Cyber Security Information Sharing Program” through the hiring of a “Program Manager”. The program manager will assist in coordinating efforts with DoIT's Risk Assessments Team (Cyber Navigators), will be introduced to the local election authorities by the SBE and will begin an outreach effort to educate the local election authorities on the necessity of working with and cooperating with the Program Manager. While the salary for the program manager will be funded from GRF funds, the hardware, software and training services used to create support for the Cyber Security Information Sharing Program will be supported with HAVA funds.

3. **Personnel-Cyber Navigator/Advisor.** The Cyber Navigator/Advisor would assist the local election authorities by performing onsite risk assessments and providing resources to ensure the Election Security Posture for the upcoming November 2018 mid-term election and continuing into the 2020 Election cycle. The SBE would enter into an interagency agreement with DoIT to provide the staff necessary to perform the duties of the Cyber Navigator/Advisor. The most critical role of the Cyber Navigator/Advisor would be to perform Risk Assessments for each local election authority.

- a. Risk Assessment- DoIT, through interagency agreement would provide 9 individuals on a personal services contract basis for the initial 12 month “startup” phase. The ongoing need will be evaluated as the program matures. The agreement will propose the SBE agreeing to pay (with HAVA grant funds) the associated costs (payroll, travel, etc.). The duties of these individuals would be defined as providing “risk assessment” to the local election authorities and provide cyber related training at the SBE's direction. DoIT's procurement and legal team are currently working with SBE staff drafting the agreement. Cost: \$1,420,312.32 for 2-month period and projected 5 staff for 12 months at \$813, 980 (total of 2 years).

4. **Providing additional cyber security resources for local election authorities.** SBE staff is in discussions with officials from other local, state and federal agencies to secure any available resources regarding cyber security matters. These discussions will continue to evolve to increase the cyber security posture through 2020.

5. **Participation in the Cyber Navigator Program.** If the local election authorities meet participation requirements outlined in the Cyber Navigator Program Rules, they will be eligible to apply for sub-grants offered by the SBE. The sub-grants will be funded with any remaining HAVA funds that are not utilized for the operational costs associated with administering the Program. Since participation in the Cyber Navigator Program is mandated, and the timeframe projected for creation and implementation is not fully known, \$8,747,998.00 has been budgeted for sub-grants over the 5 year grant period. The sub-grants could include direct grants offered to local election authorities after Program participation has been verified. Non-operational costs (i.e. sub-grants, etc.) could include direct contracts with vendors to address vulnerabilities discovered during the on-site risk assessments.

The SBE is required to hold public hearings in consult with local election officials while developing this program. The first hearing was held July 10, 2018 and the second hearing was held August 1, 2018.

Proposed Components of the Internal SBE Use of HAVA Grant Funds

We propose the amount of \$1.2 million be retained by the SBE in the Help Illinois Vote fund for the following uses: consulting contracts that would include services such as cyber security consultants, audit firms, or additional IT consultants for new application development. After additional assessments are completed on the Board's overall cyber security posture, it is anticipated that additional hardware and/or software will be needed to further strengthen the Board's overall network security.

Year 1 through year 3:

Consulting contracts	\$185,000/year
IT Hardware/Software	\$100,000/year
Travel	\$ 15,000/year

Year 4 and year 5:

Consulting contracts	\$90,000/year
IT Hardware/Software	\$50,000/year
Travel	\$10,000/year

Total 5-year estimate	\$1,200,000
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2018 HAVA ELECTION SECURITY GRANT

Budget Information		CFDA # 90.404		Non-Construction Program					
Name of Organization:	Illinois State Board of Elections	SECTION A - BUDGET SUMMARY							
Budget Period Start:	3/27/2018	(Consolidated Budget for total project term-- up to 5 years as defined by grantee)							
Budget Period End:	3/27/2023	FEDERAL & NON-FEDERAL FUNDS (Match)							
PROGRAM CATEGORIES									
BUDGET CATEGORIES	(a) Cyber Security	(b)	(c)	(d)	(e)	(f) Other	(g) Other	TOTALS	% Fed Total
1. EQUIPMENT	\$ 650,000.00							\$ 650,000.00	5%
2. SUBGRANTS- to local voting jurisdictions	\$ 8,747,998.00							\$ 8,747,998.00	66%
3. TRAINING	\$ 700,000.00							\$ 700,000.00	5%
4. ALL OTHER COSTS	\$ 3,134,292.00							\$ 3,134,292.00	24%
5. TOTAL DIRECT COSTS (1-5)	\$ 13,232,290.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,232,290.00	
6. INDIRECT COSTS (if applied)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	0%
7. Total Federal Budget	\$ 13,232,290.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,232,290.00	
8. Non-Federal PERSONNEL (including fringe)									
9. Non-Federal Cash Match	\$ 661,615.00								
10. Non-Federal Match	\$ 661,615.00							\$ 661,615.00	
11. Total Program Budget	\$ 13,893,905.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,893,905.00	
12. Percentage By Category	100%	0%	0%	0%	0%	0%	0%	0%	
Proposed State Match									
A. Do you have an indirect cost rate agreement approved by the Federal government or some other non-federal entity? If yes, please provide the following information:		No							
B. Period Covered by the Indirect Cost Rate Agreement (mm/dd/yyyy-mm/dd/yyyy):		N/A							
C. Approving Federal agency:		N/A							
D. If other than Federal agency, please specify:		N/A							
E. The Indirect Cost Rate is:		N/A							

1a. SBE portion of Hardware/Software for 5 years = \$400,000 We'll attribute \$100,000 to equipment & \$100,000 to software

ICN Hardware through interagency agreement \$350,000
SBE Hardware \$300,000
\$650,000

2a. Remaining "cyber security portion" of overall grant funds

3a. Assumed \$65K per training (including facility & travel costs) and 2 trainings per year for 5 years. \$650,000
Training development \$50,000
\$700,000

4a. SBE Travel costs \$65,000
SBE software costs associated with 2a. \$100,000
SBE Contractual Consulting services \$715,000
\$900,000